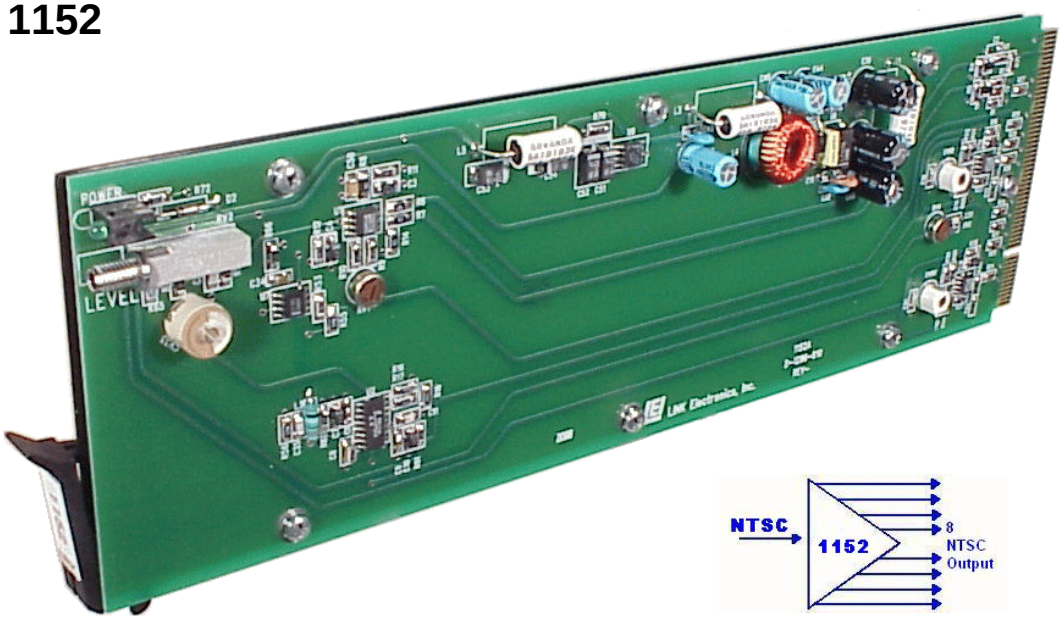
LINK ELECTRONICS, INC.

ANALOG VIDEO DISTRIBUTION AMPLIFIER 1 X 8

DigiFlex 1152

MADE IN THE USA



FEATURES

- ◆ Eight Outputs
- ◆ Differential Input
- ◆ DC or AC Coupled
- ◆ Op Amp. Technology
- ◆ ±3dB Gain, each set of four
- ◆ 100 MHZ Bandwidth
- ◆ Diff. Gain and Phase 0.1

Mounting Frame Options

1000 - Single Power Supply, Holds 11 Modules
1000/2 - Dual Power Supply, Holds 10 Modules
7200 - Mounting Frame, Holds 1 Module

The DigiFlex 1152 Video DA represents the state of the art in analog video distribution. The 1152 provides high-performance video distribution in the LINK DigiFlex 1000 Frame. The advantage is obvious: both analog and digital distribution amplifiers can operate side-by-side in a single frame!

Utilizing the latest CMF Op-Amp technology, the 1152 combines wide bandwidth, low noise, and low power consumption. The video path is truly transparent, with differential phase and gain errors of <0.1° and <0.1%, respectively. Video signal-to-noise ratio exceeds 65dB.

DC-coupled differential input is a standard feature, providing high common-mode rejection. Eight outputs are available on the companion rear cell, model 1011. The front panel gain control adjusts the level to ±3dB.

The attention to detail in the design of the 1152 extends to the power supply, which features a simple switching regulator. While slightly more complex than a linear supply, this offers the highest possible efficiency. Backed by a ten-year warranty including parts and labor. The 1152 will provide years of trouble-free service.

LINK **ELECTRONICS, INC.** ◆ 2137 Rust Avenue ◆ Cape Girardeau, MO 63703-7668
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DIGIFLEX 1152 DIGITAL VIDEO DA

SPECIFICATIONS

INPUTS:

Number:	One, terminated
Level:	1 Vp-p ±3dB
Impedance:	75Ω Terminated
Common Mode Range:	5 Vpp
Maximum DC In:	±5Volts
CMRR:	>70dB @ 60Hz
Return Loss:	>40dB @ 3.58MHz

OUTPUTS:

Number:	Eight
Impedance:	75Ω
Level:	Unity Gain ±3dB
Connectors:	BNC

AMPLIFIER PERFORMANCE:

Frequency Response:	±0.5dB to 40MHz
	±1dB @ 60MHz
	-2.0 dB @ 80MHz
	-3dB @ 100MHz
Differential Gain:	<0.1%
Differential Phase:	<0.1°
DC Gain Stability:	>50dB
Noise:	>65dB
Hum:	>70dB
Output Isolation:	>40dB @ 3.58MHz
Return Loss:	>40dB @ 6MHz
Line RateTilt:	<0.2%
Field Rate Tilt:	<0.2%
Ringing:	<0.4%
High Frequency Overshoot:	<0.4%
Coupling:	DC Servo, Average DC Output = 0
Propagation Delay:	14nS

ADJUSTMENTS (Front edge of module):

Video Gain:	±3dB

ENVIRONMENTAL:

Temperature:	0° to 50°C Ambient
Humidity:	10% to 90% non-condensing
Power:	500mW

MECHANICAL:

Height:	3.2 Inch
Width:	1.0 Inch
Length	10 Inch
Weight:	7.1 Oz

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Rear Cell I/O
0. Input
1. Out
2. Out
3. Out
4. Out
5. Out
6. Out
7. Out
8. Out

1011 REARCELL

PROFESSIONAL SERIES--
modular system products--by *LINK*